

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Miao Chen Wu  
Application No.: 10/010,951 Group: 2681  
Filed: November 13, 2001 Examiner:  
For: AUTOMATIC GAIN CONTROL CIRCUIT WITH MULTIPLE  
INPUT SIGNALS



CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231	
on <u>2/6/02</u>	<u>Pamela Sarno</u>
Date	Signature
<u>Pamela Sarno</u>	
Typed or printed name of person signing certificate	

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REPLY TO NOTICE TO FILE MISSING PARTS OF APPLICATION

Box Missing Parts  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In reply to the Notice to File Missing Parts dated January 18, 2002, the following documents and fees are being submitted for filing in the captioned application. A copy of the Notice is attached.

- ☒ **EXECUTED DECLARATION FOR PATENT APPLICATION**  
(Separate transmittal letter and postcard not required)
- ☒ **POWER OF ATTORNEY DOCUMENT**
- ☐ **GRANTED BY INVENTOR(S)**
- ☒ **GRANTED BY ASSIGNEE, including Statement under 37 C.F.R. 3.73(b)**  
(Separate transmittal letter and postcard not required)
- ☐ **PRELIMINARY AMENDMENT**  
(Separate transmittal letter and postcard not required)
- ☒ **FILING FEE - with Fee Transmittal for Patent Applications in duplicate**  
Fee calculations based on:
- ☒ Claims as originally filed
- ☐ Claims upon entry of the Preliminary Amendment filed [herewith] [with the application]  
(Separate transmittal letter and postcard not required)



☒ **SURCHARGE** - surcharge fee of \$130.

*(Separate transmittal letter and postcard not required)*

☐ **SEQUENCE LISTING** - Filed concurrently and is attached

*(Separate transmittal letter and postcard required)*

☒ **SUBSTITUTE DRAWINGS**

☒ [ 9 ] Sheets of substitute drawings consisting of Figs. 1 - 8 are enclosed

*(Separate transmittal letter and postcard not required)*

☐ **PETITION FOR EXTENSION OF TIME**

☐ Applicant hereby petitions to extend the time to respond to the Notice to File Missing Parts dated [ ] for [ ] month(s) from [ ] to [ ]  
The appropriate fee of \$[ ] is included in the enclosed check

☐ A [ ] month extension of time to respond to the Notice to File Missing Parts dated [ ] was filed on [ ] with payment of a \$[ ] fee

☐ Applicant hereby petitions for an additional [ ] month extension of time to respond to the Notice to File Missing Parts. The appropriate fee of \$[ ] is included in the enclosed check

*(Separate Petition for Extension of Time and postcard not required)*

☐ **REQUEST FOR CORRECTED FILING RECEIPT** - Filed concurrently and is attached

*(Separate transmittal letter and postcard required)*

☐ **STATEMENT CLAIMING SMALL ENTITY STATUS**

☐ Was filed on [ ]

☐ Is enclosed herewith

*(Separate transmittal letter and postcard not required)*

☐ In view of the small entity status of the captioned application, we hereby request a reimbursement of 50% of the filing fees in the amount of \$[ ] which were paid on [ ] to be deposited in Deposit Account No. 08-0380

The fees required for filing the indicated documents are enclosed in the form of a check in the total amount of \$ 1182. Please charge any deficiency or credit any overpayment in the fees that may be due in this matter to Deposit Account No. 08-0380. A copy of this letter is enclosed for accounting purposes.

Respectfully submitted,  
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By Caroline M. Fleming

Caroline M. Fleming  
Registration No.: 45,566  
Tel.: (978) 341-0036  
Fax: (978) 341-0136

Concord, Massachusetts 01742-9133

Date: 2/6/2

2053201-02502



<b>FEE TRANSMITTAL FOR PATENT APPLICATIONS</b>		Attorney Docket Number		3070.1009-000	
		Application Number		10/010,951	
		First Named Inventor		Miaochen Wu	
CLAIM CALCULATION (includes any preliminary amendments)					
CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
	TOTAL CLAIMS (37 CFR 1.16(c) or (j))	28 - 20* =	8	x \$ 18 =	\$ 144
	INDEPENDENT CLAIMS (37 CFR 1.16(b) or (i))	5 - 3** =	2	x \$ 84 =	\$ 168
	MULTIPLE DEPENDENT CLAIMS (if applicable) (37 CFR 1.16(d))			+ \$ 280 =	\$
				BASIC FEE (37 CFR 1.16(a) or (h))	\$ 740
				Total of above Calculations =	\$ 1052
	Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27, 1.28) =			\$	
	TOTAL =			\$ 1052	
	Surcharge - Late Filing of Declaration or Filing Fees (37 C.F.R. 1.16(e)) =			\$ 130	
	Petition for Extension of Time Fee (37 C.F.R. 1.17) =			\$	
	Assignment Recordation Fee = (only when filed with application)			\$	
* Reissue claims in excess of 20 and over original patent ** Reissue independent claims over original patent			TOTAL =	\$ 1182	
<p>1. Small entity status:</p> <p>a. <input type="checkbox"/> A small entity statement is enclosed.</p> <p>b. <input type="checkbox"/> A small entity statement was filed in the prior non-provisional application and such status is still proper and desired.</p> <p>c. <input type="checkbox"/> Is no longer claimed.</p> <p>2. <input checked="" type="checkbox"/> A general authorization is hereby granted to charge deposit account number 08-0380 for any fees required under 37 CFR 1.16 and 1.17 in order to maintain pendency of this application. A copy of this authorization is enclosed for accounting purposes.</p> <p>3. <input checked="" type="checkbox"/> A check is enclosed for \$1182. <input type="checkbox"/> Please charge \$[ ] to Deposit Account No. 08-0380.</p> <p>4. <input type="checkbox"/> Other: _____</p>					
Signature		Date			
Submitted by Typed or Printed Name		Reg. Number			

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FEB 25 2002

PATENT &amp; TRADEMARK

2009010951001



<b>FEE TRANSMITTAL FOR PATENT APPLICATIONS</b>		Attorney Docket Number		3070.1009-000	
		Application Number		10/010,951	
		First Named Inventor		Miaochen Wu	
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	* Reissue claims in excess of 20 and over original patent ** Reissue independent claims over original patent			TOTAL =	\$ 1182

1. Small entity status:

a. ☐ A small entity statement is enclosed.

b. ☐ A small entity statement was filed in the prior non-provisional application and such status is still proper and desired.

c. ☐ Is no longer claimed.

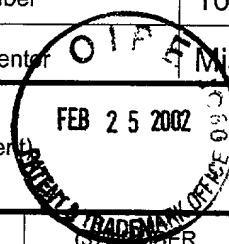
2. ☒ A general authorization is hereby granted to charge deposit account number 08-0380 for any fees required under 37 CFR 1.16 and 1.17 in order to maintain pendency of this application. A copy of this authorization is enclosed for accounting purposes.

3. ☒ A check is enclosed for \$1182. ☐ Please charge \$[ ] to Deposit Account No. 08-0380.

4. ☐ Other: \_\_\_\_\_

Signature	<i>Caroline M. Fleming</i>	Date	2/6/2
Submitted by Typed or Printed Name	Caroline M. Fleming, Esq.	Reg. Number	45,566

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## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/010,951	11/13/2001	Miaochen Wu	3070.1009-000

CONFIRMATION NO. 5696

Leo R. Reynolds, Esq.  
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.  
530 Virginia Road  
P.O. Box 9133  
Concord, MA 01742-9133

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## FORMALITIES LETTER



C000000007330709\*

Date Mailed: 01/18/2002

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

02/28/2002 HDEMESS1 00000038 10010951

FILED UNDER 37 CFR 1.53(b)

01 FC-101	740.00 DP
02 FC-102	168.00 DP
03 FC-103	144.00 DP
04 FC-105	130.00 DP

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- Total additional claim fee(s) for this application is \$312.
  - \$144 for 8 total claims over 20.
  - \$168 for 2 independent claims over 3.
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 1182.**

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. ( 5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);



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*A copy of this notice MUST be returned with the reply.*

*C. Vorachawke*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

205220 T560T00T



FEB 25 2002

## STATEMENT UNDER 37 C.F.R. § 3.73(b)

Applicant(s): Miaosen WuApplication No.: 10/010,951 Filed: November 13, 2001For: AUTOMATIC GAIN CONTROL CIRCUIT WITH MULTIPLE INPUT SIGNALS

Narad Networks, Incorporated, a Corporation  
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is

- A. ☒ the assignee of the entire right, title and interest in the patent application identified above; or
- B. ☐ an assignee together with [ ] of the entire right, title and interest in the patent application identified above. A separate Statement under 37 CFR § 3.73(b) is being submitted.

The right, title and interest of the above-named assignee in the patent application identified above is established by virtue of:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.

- ☐ Additional documents in the chain of title are listed on a supplemental sheet.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date: 1/29/02Name: Oscar R. DonesTitle: Chief Financial OfficerSignature: OR Dones